United States Environmental Protection Agency
Region V
POLLUTION REPORT

EPA Region 5 Records Ctr.
299249

Date: Friday, April 11, 2008
From: Craig Thomas, OSC

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Subject: U.S. Scrap
12300 S. Cottage Grove Ave/12301 S. King Drive, Chicago, IL
Latitude: 41.67
Longitude: -87.6036

POLREP No.:	4	**Site #:**	
Reporting Period:	3/29/08-4/11/08	**D.O. #:**	0092
Start Date:	1/23/2008	**Response Authority:**	CERCLA
Mob Date:	1/23/2008	**Response Type:**	Time-Critical
Completion Date:		**NPL Status:**	Non NPL
CERCLIS ID #:	ILD980679484	**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	68-S5-03-06

Site Description
The U.S. Scrap Site is located at 12301 South Cottage Grove Avenue in Chicago, Cook County, Illinois. The Site is an abandoned debarrelling facility that operated as an open dump in the late 1960□s and early 1970□s. It occupies approximately 6½ acres and is bordered by railroad right-of-way to the west, the Metropolitan Water Reclamation District (MWRD) of Greater Chicago's Calumet Sewage Treatment Plant to the South and East, and S.G. Keywell, Inc., a scrap metal recycling operation to the North. The Site is located approximately 1 mile west of Lake Calumet and ½ mile northeast of the Little Calumet River. The Site is also located within one mile of residential housing.

From the late 1960□s to 1975, Mr. Steve Martell conducted drum reclamation activities at the U.S. Scrap Site. Non-reclaimable drums and wastes from re-claimable drums were emptied into on-site pits. Waste received at U.S. Scrap for on-site incineration was allegedly dumped at the Site.

U.S. EPA conducted a removal action at the site in 1985, extinguishing a landfill fire by capping the affected areas with clay, and excavating and backfilling a railroad embankment, in an attempt to locate shock-sensitive chemicals. A special study conducted in 1987 revealed that elevated levels of many hazardous substances remained, including PCBs, pesticides, and organic solvents.

By correspondence dated June 28, 2005, Illinois EPA asked U.S. EPA to conduct a time-critical removal assessment and possible removal action at the Site.

U.S. EPA□s Site Assessment, which occurred June 25th, 2007, determined that Site soils were heavily contaminated with PCBs, chlorinated solvents, lead and cadmium.

Surface liquids sampled during U.S. EPA□s Site Assessment showed high levels of vinyl chloride, benzene, ethylbenzene, 4-methyl-2-pentanone, toluene, total xylenes, bis (2-ethylhexyl)phthalate, dichlorobenzene, diethyl phthalate, di-n-butylphthalate, 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benz(a)anthracene, benzo(a) pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chyrsene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, alpha chlordane, total chlordane, gamma chlordane. Surface liquids also included several PCBs include aroclor 1242, aroclor 1254, and aroclor 1260.

On January 22nd, 2008 U.S. EPA received an access agreement to conduct a time critical removal action at the site.

Current Activities

For the period of March 29 through April 11, 2008, EPA, the ERRS contractor, Environmental Quality Management, and the START contractor, STNJV, continued site activities.

START continued conducting air monitoring of work zones and 11 perimeter monitoring locations with a Mulitrae. Additional monitoring was conducted during the installation of sheets along the trench.

START collected five air samples per day for three days (three samples for MEK and two samples for BTEX.) Two samples were collected from within the Frac Tank; one collected near the Frac Tank opening, and two were collected from the fence property approximately 200 yards west of the frac tank. The initial results were a fraction of the action level for MEK and BTEX.

The Springfield Belle water treatment system was used to reduce the levels of organics in the water in attempt to meet the MWRD standards for discharging into their system. Samples collected from the treated water again failed to meet the MWRD discharge limits. Treated water results indicated elevated levels of MEK in the treated water. ERRS enhanced the aeration system inside the treatment tank to reduce the additional organics in the treated water. The levels of MEK after aeration were reduced but still could not meet the MWRD discharge limits.

The aeration process was discontinued and the transportation and disposal of the treated water was arranged by ERRS. To date approximately 41,600 gallons of treated non hazardous water was transported off site for additional treatment and disposal by Century Environmental Resources in Alsip, Illinois.

Collection sumps were installed both inside and outside the sheet pile wall to enhance collection of contaminated surface water.

Site security continues on off-hours and weekends.

Planned Removal Actions
Continue pumping liquids out of the lagoon area and into the water treatment system. Dispose of treated water.

Dispose of contaminated soil, as necessary.

Evaluate the installation of a geotextile and cover over area to reduce infiltration.

Next Steps
Complete action noted above.

Key Issues
Analyze the treated water to make sure the levels are at or below the MWRD discharge limits. If treated water cannot meet MWRD discharge limits, other disposal options will be evaluated.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$1,500,000.00	$662,418.00	$837,582.00	55.84%
RST/START	$99,000.00	$60,644.00	$38,356.00	38.74%
Intramural Costs				
Total Site Costs	$1,599,000.00	$723,062.00	$875,938.00	54.78%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon

necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Low-Level PCB Contaminated Soil	20 yds.	NHS001	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yds	NHS002	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS003	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS004	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS005	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS006	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS007	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS008	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS009	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS010	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS011	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922

Low Level PCB contaminated soil	20 yd.	NHS012	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS013	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS014	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS015	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS016	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS017	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS018	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Low Level PCB contaminated soil	20 yd.	NHS019	Newton County Landfill 266 E. 500 South Road Brook, Indiana 47922
Non-Hazardous Non-Regulated Water	5500 G	IL3542401	Century Environmental Resources, Inc. 13005 Hamlin Court Alsip, IL 60803
Non-Hazardous Non-Regulated Water	5200 G	IL3542402	Century Environmental Resources, Inc. 13005 Hamlin Court Alsip, IL 60803
Non-Hazardous Non-Regulated water	5200 G	IL3542403	Century Environmental Resources, Inc. 13005 Hamlin Court Alsip, IL 60803
Non-Hazardous Non-Regulated water	5,200 G	IL3542404	Century Environmental Resources, Inc. 13005 Hamlin Court Alsip, IL 60803
Non-Hazardous Non-Regulated water	5,200 G	IL3542405	Century Environmental Resources, Inc.

			13005 Hamlin Court Alsip, IL 60803
Non-Hazardous Non-Regulated water	5,200 G	IL3542406	Century Environmental Resources, Inc. 13005 Hamlin Court Alsip, IL 60803
Non-Hazardous Non-Regulated water	5,200 G	IL3542412	Century Environmental Resources, Inc. 13005 Hamlin Court Alsip, IL 60803
Non-Hazardous Non-Regulated water	5,200 G	IL3542413	Century Environmental Resources, Inc. 13005 Hamlin Court Alsip, IL 60803

www.epaosc.net/USScrap